

# Engineering Programs and Systems Office



## Crosscutting Initiatives

Engineering, Science, and Technical Services (ESTS) COTR - COLSA COTR - Technical Authority Implementation  
Independent Research and Development (IRAD) - Marshall Safety and Engineering Review Panel (MSERP)  
Engineering Learning/Training/Knowledge Management - Safety/Environment Management - Lean Six Sigma

### NASA Technical Standards Program (NTSP)

Establish a consistent technical environment across NASA

Institute an Agency level common technical base

Establish a mandatory baseline in all significant technical areas

Center coordination through NASA Technical Standards Working Group (chaired by MSFC)

NASA Technical Standards System

<http://standards.nasa.gov>

### Integrated Engineering Capability (IEC)

Improve the accuracy, availability, and control of engineering data

The IEC Project aligns directly with the 2003 NASA Strategic Plan

Leading Development and Implementation of the MSFC Design and Data Management System (DDMS)

Managing Legacy Configuration Management and Collaboration Tools

Managing CAD Licensing and Leading MSFC CAD Transition to Pro/Engineer (Pro/E)

### Engineering Systems

Provide leadership in configuration and data management

Configuration and Data Management (C&DM) Policy

Engineering Management Council (EMC)

Systems Engineering (SE) Policy

MSFC Multiprogram Document Control Process

Automation of C&DM Processes

Centerwide C&DM Services and Management

Engineering Processes

### Innovative Partnerships Program (IPP)

Partnerships with industry, academia and other sources to develop and transfer technology

IPP Infusion Partnerships (Spin-In) partner with industry, academia, and other organizations

Patents and Technology Commercialization (Spin-Out)

Small Business Programs SBIR/STTR

Technology Transfer Program and Software Release Authority (SRA)

New Technology Reporting process